



Data Visualization With Power BI

Vishal Padghan (Great Learning)

Offerings Of This Course

01

BI and Data Visualization

05

Power BI Installation

02

What is Power BI?

06

Power BI DAX

03

Power BI Components

07

Visual Analytics

04

Building Blocks Of Power BI

08

Power BI Visuals/Charts

What Is Business Intelligence?

What Is Business Intelligence?



Business Intelligence Features

*Better Business
Understanding*

Decision Making

Quick navigation

Instant Answers

Phases Of Business Intelligence

Phases Of Business Intelligence

IT Dependent

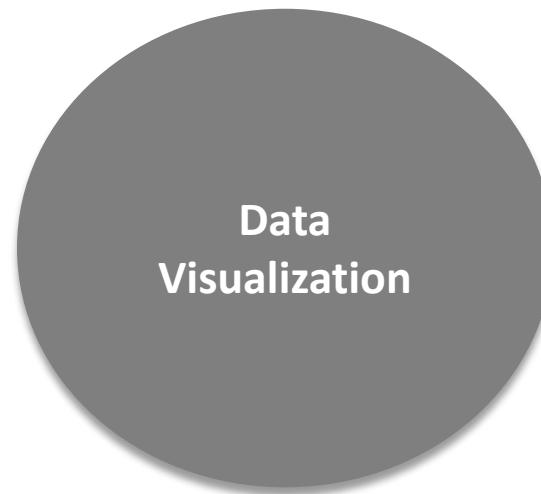
Analyst

End User

What Is Data Visualization?

What Is Data Visualization?

Design



Information Science

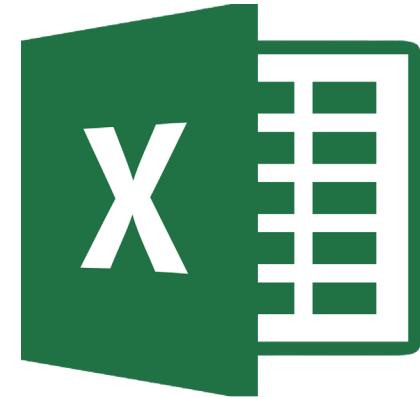
Communication

William Playfair
(Geometric Charts 1781)

Explored exports from seventeen
countries to Scotland

Data Visualization Tools

Data Visualization Tools



What Is PowerBI?

What Is PowerBI?

From connection to collaboration, PowerBI is the most powerful, secure and flexible end-to-end analytics platform for your data

Apt Visualizations

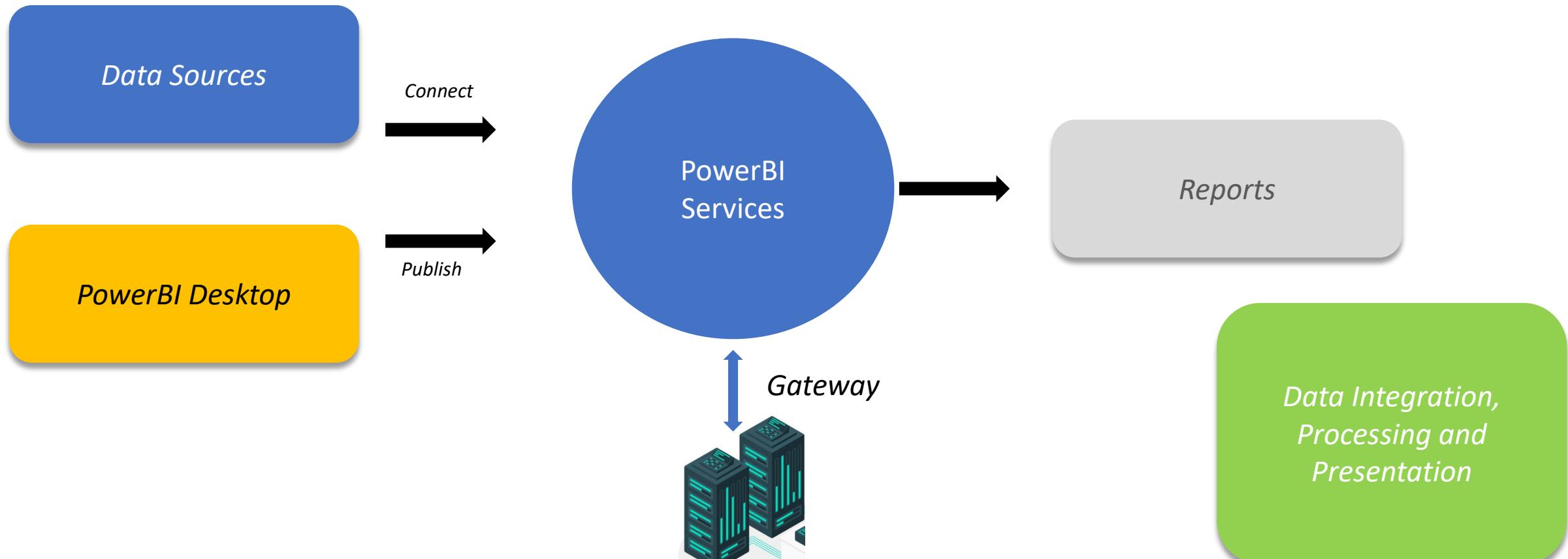
Depth

Automatic Function

Connection To Data



PowerBI Architecture



Components Of PowerBI

Components Of PowerBI

Power Query

Power View

PowerBI QNA

Power Pivot

Power Map

Building Blocks Of PowerBI

Building Blocks Of PowerBI

Visualizations

Dashboards

Datasets

Tiles

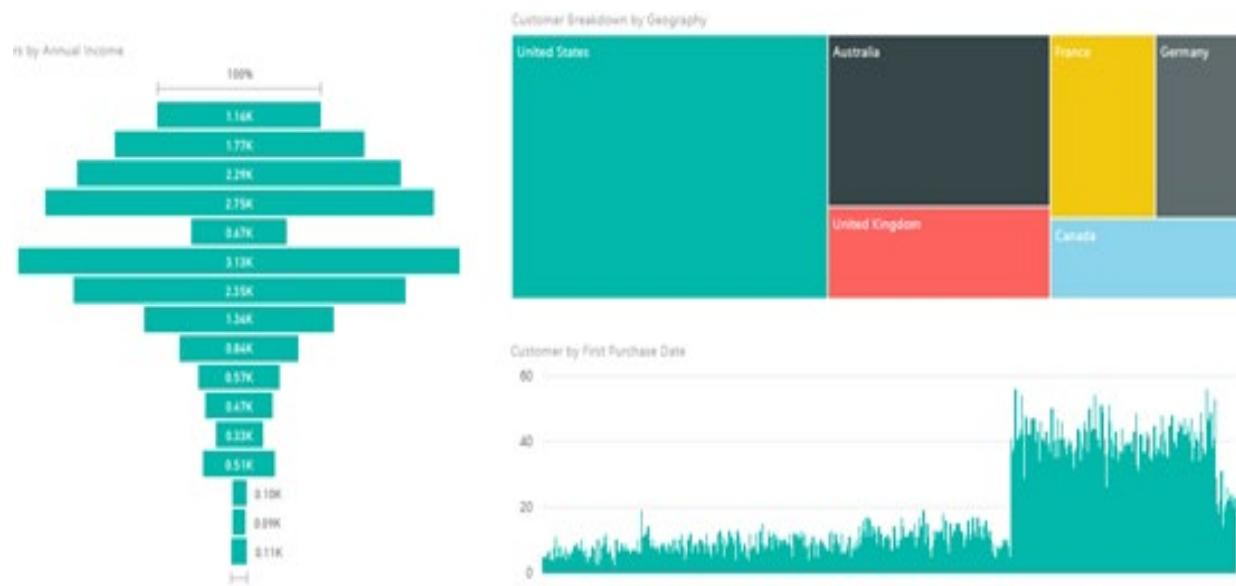
Reports



PowerBI Reports

PowerBI Reports

It is a multi-perspective view into a particular data set with visualizations that represent different findings and insights from that a set. A report may be a single visualization or pages full of visualizations.



PowerBI Dashboards

PowerBI Dashboards

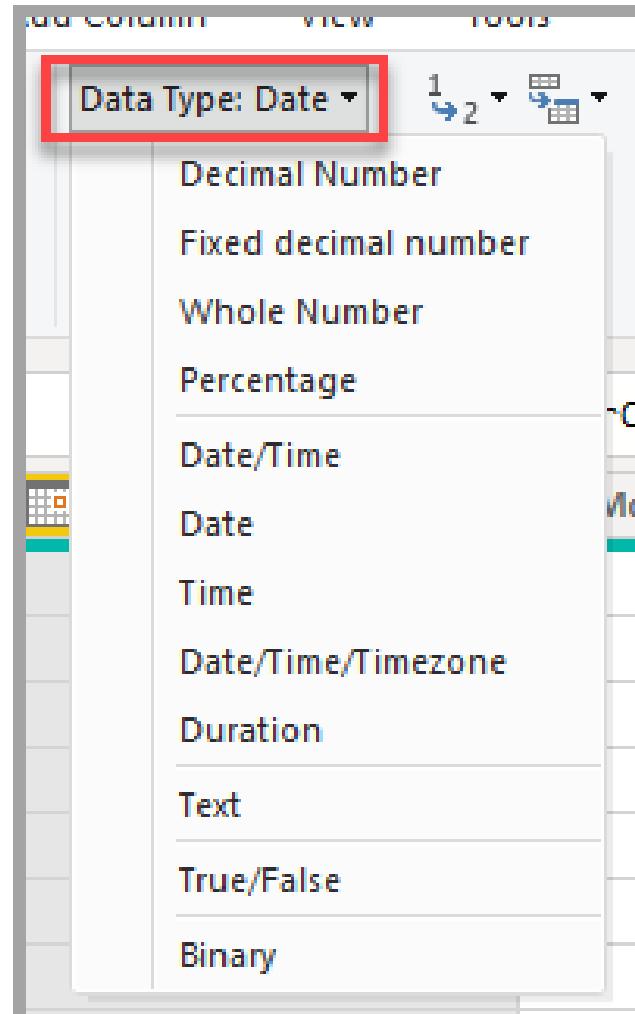
It is a single page, also known as a canvas, that uses visualizations to tell a particular story. It is limited to one page, and a point note is that a good dashboard contains only the important elements of that story.



Demo: PowerBI Installation and Interface

Power BI Data Types

PowerBI Data Types



PowerBI DAX

PowerBI DAX

DAX is a collection of functions, operators and constant used in formulas, to return one or more values. It is a native formula and Query language by Microsoft

Functional Query
Language

Deals with
relational data

Performs
Aggregations



PowerBI DAX

Syntax

Context

Function

Measure = Function(TableName.ColumnName))



Visual Analytics



Question and Answer Time

Summary

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Power BI Visuals Charts

Thank You